

FIG. 2

The Original Program

```
main()
{
    ...
    // traverse first list
    list_1 = head_1;
    while (list_1){
        list_1 = list_1->next;
    }
    ...
    // traverse second list
    list_2 = head_2;
    while (list_2){
        list_2 = list_2->next;
    }
}
```

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The Program with Pre-Execution

```
main()
{
    ...
    PreExecute_Start(LIST2);
    // traverse first list
    list_1 = head_1;
    while (list_1){
        list_1 = list_1->next;
    }
    ...
    LIST2: // a label
    // traverse second list
    list_2 = head_2;
    while (list_2){
        list_2 = list_2->next;
    }
    PreExecute_Stop();
}
```

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FIG. 3

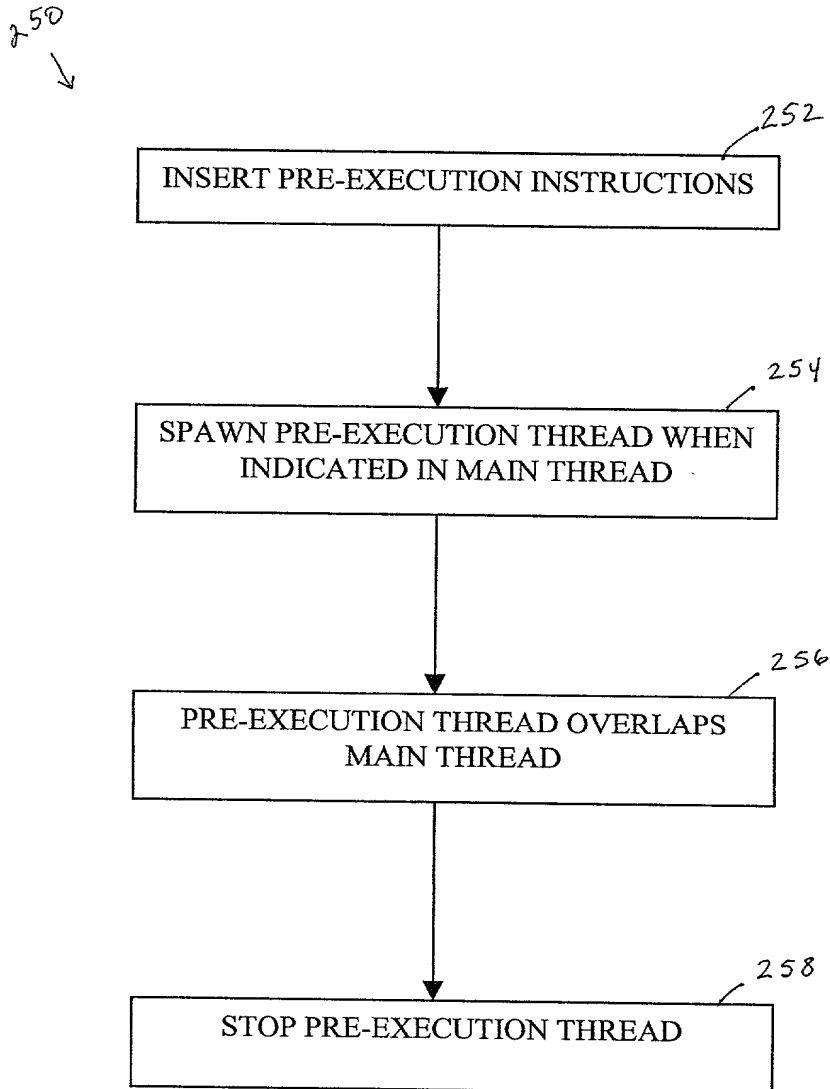


FIG. 4